

FIG. 1

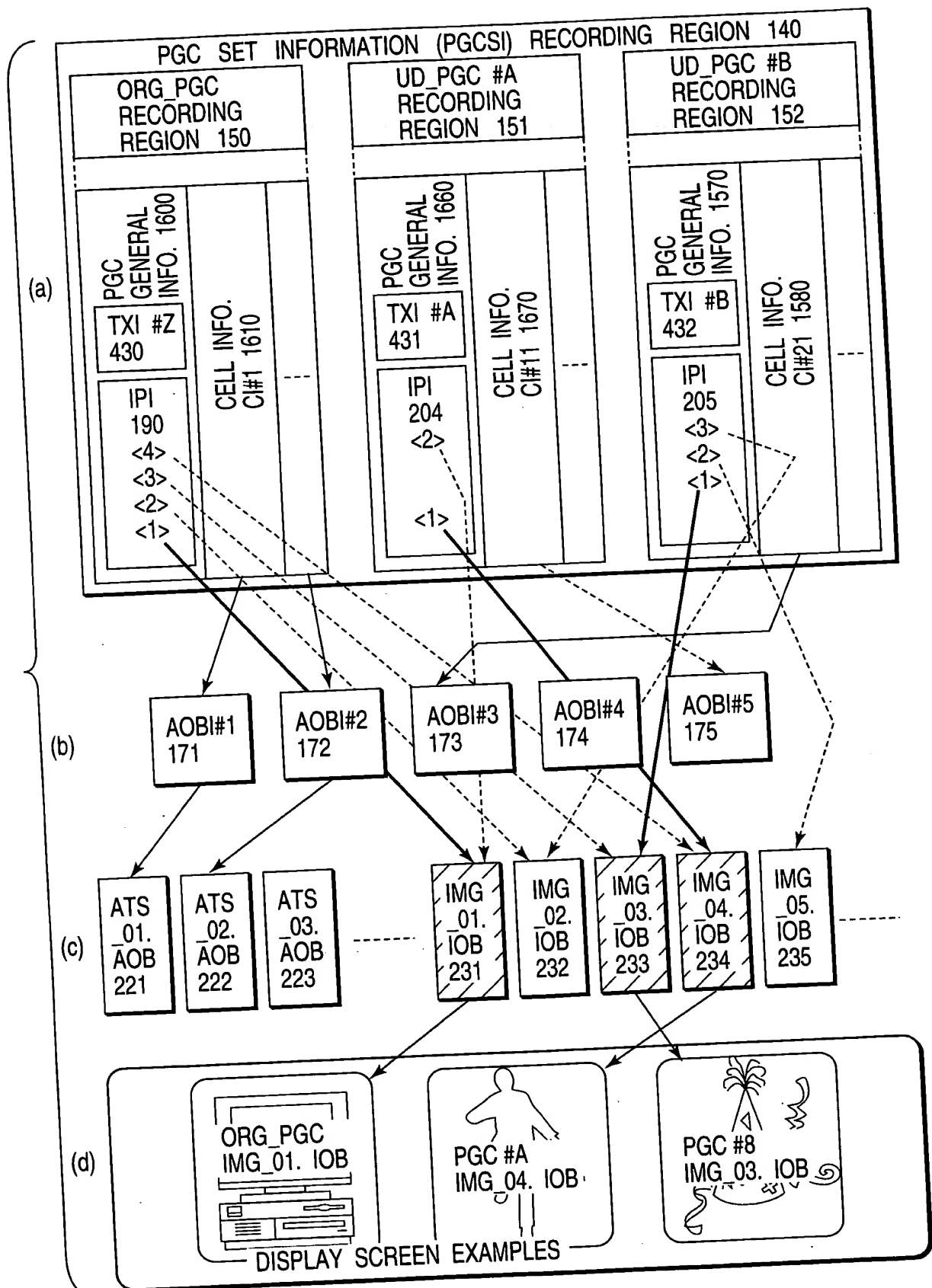


FIG. 2

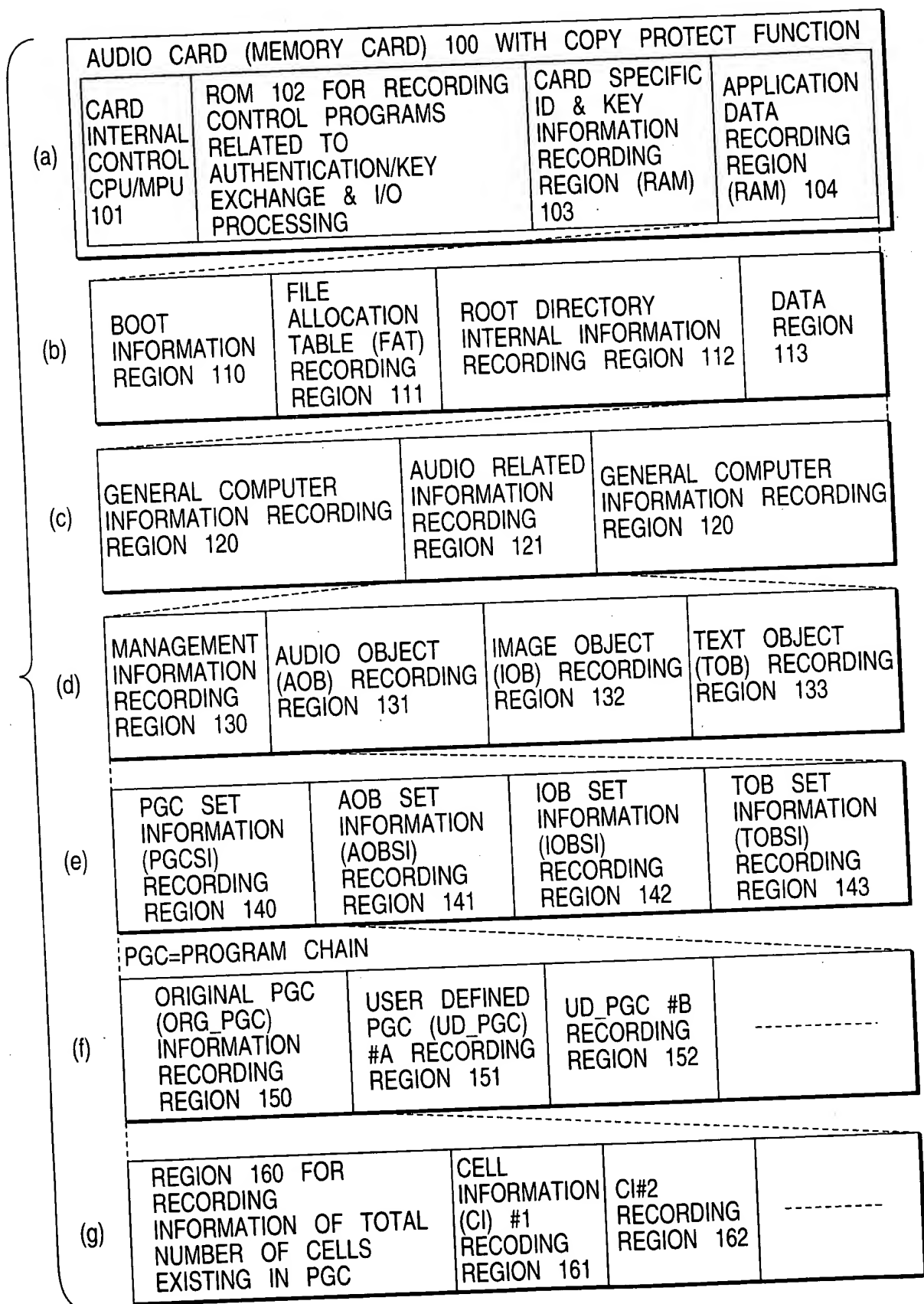


FIG. 3

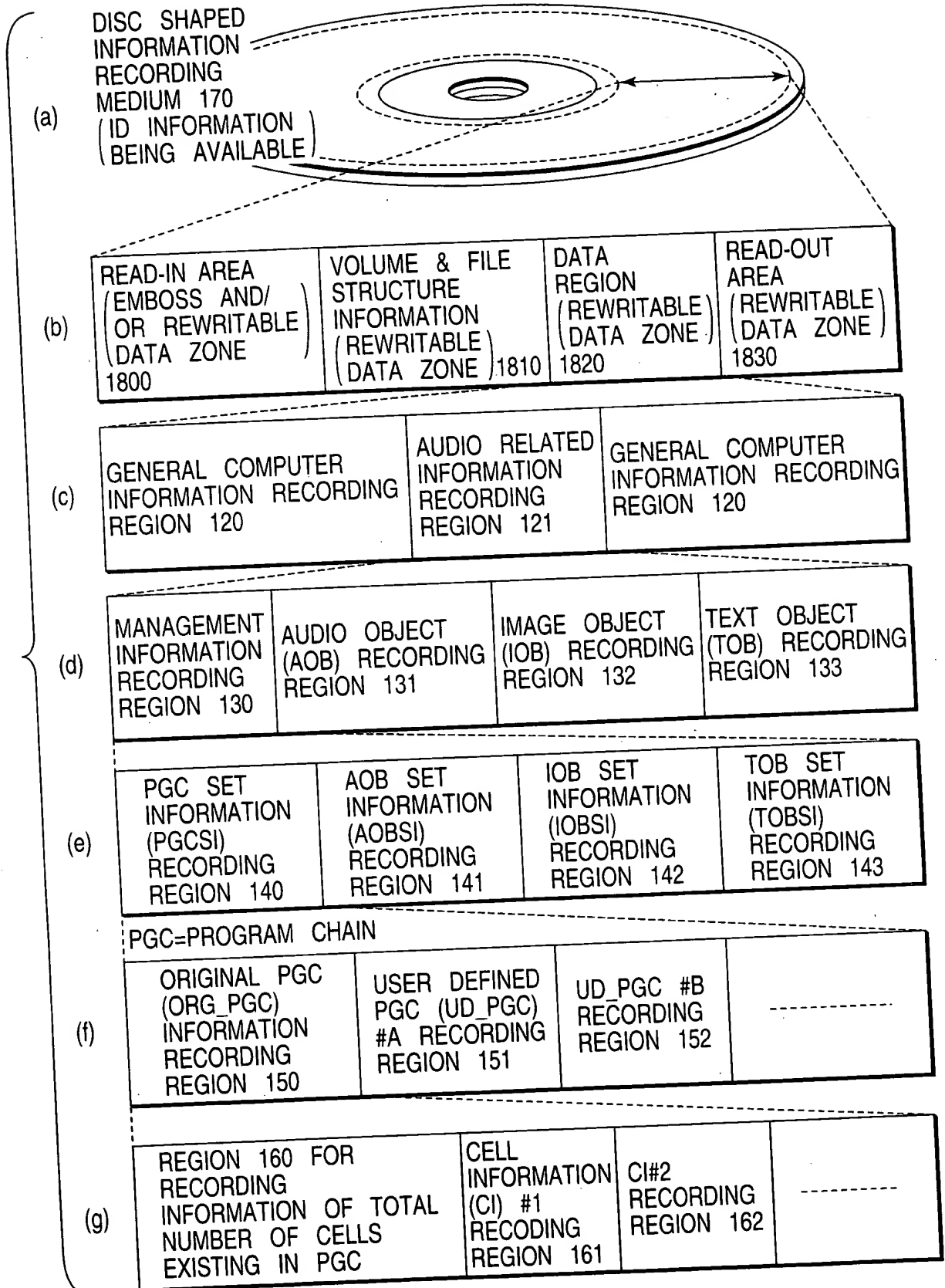


FIG. 4

ROOT DIRECTORY 2000

SUBDIRECTORY 2001

REAL TIME AUDIO  
RECORDING DIRECTORY 2100

DATA FILE 2002

PGCSI. IFO 2110  
(PGC SET INFORMATION 140)

AOBSI. IFO 2120  
(AOB SET INFORMATION 141)

IOBSI. IFO 2130  
(IOB SET INFORMATION 142)

TOBSI. IFO 2140  
(TOB SET INFORMATION 143)

ATS\_01. AOB 2500  
(AUDIO OBJECT/  
MUSIC OR THE LIKE)

IMG\_01. IOB 2310  
(IMAGE OBJECT/  
IMAGE OR THE LIKE)

TXT\_01. TOB 2320  
(TEXT OBJECT/  
CHARACTERS OR THE LIKE)

DVD\_RTR DIRECTORY 2200

DVD AUDIO DIRECTORY 2300

ATS\_01\_0. IFO (MANAGEMENT DATA)

ATS\_01\_0. AOB (AUDIO DATA)

FIG. 5

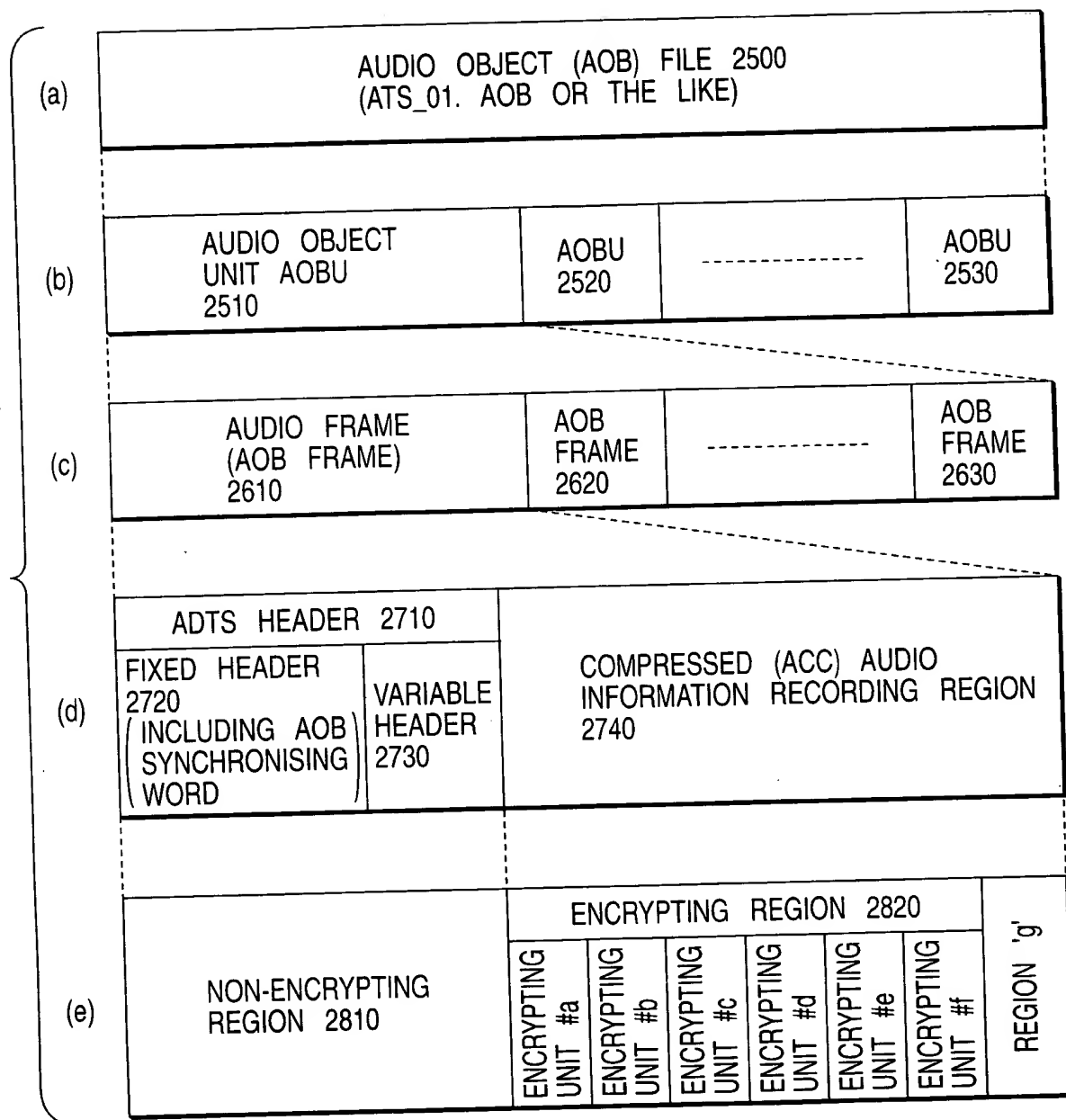


FIG. 6

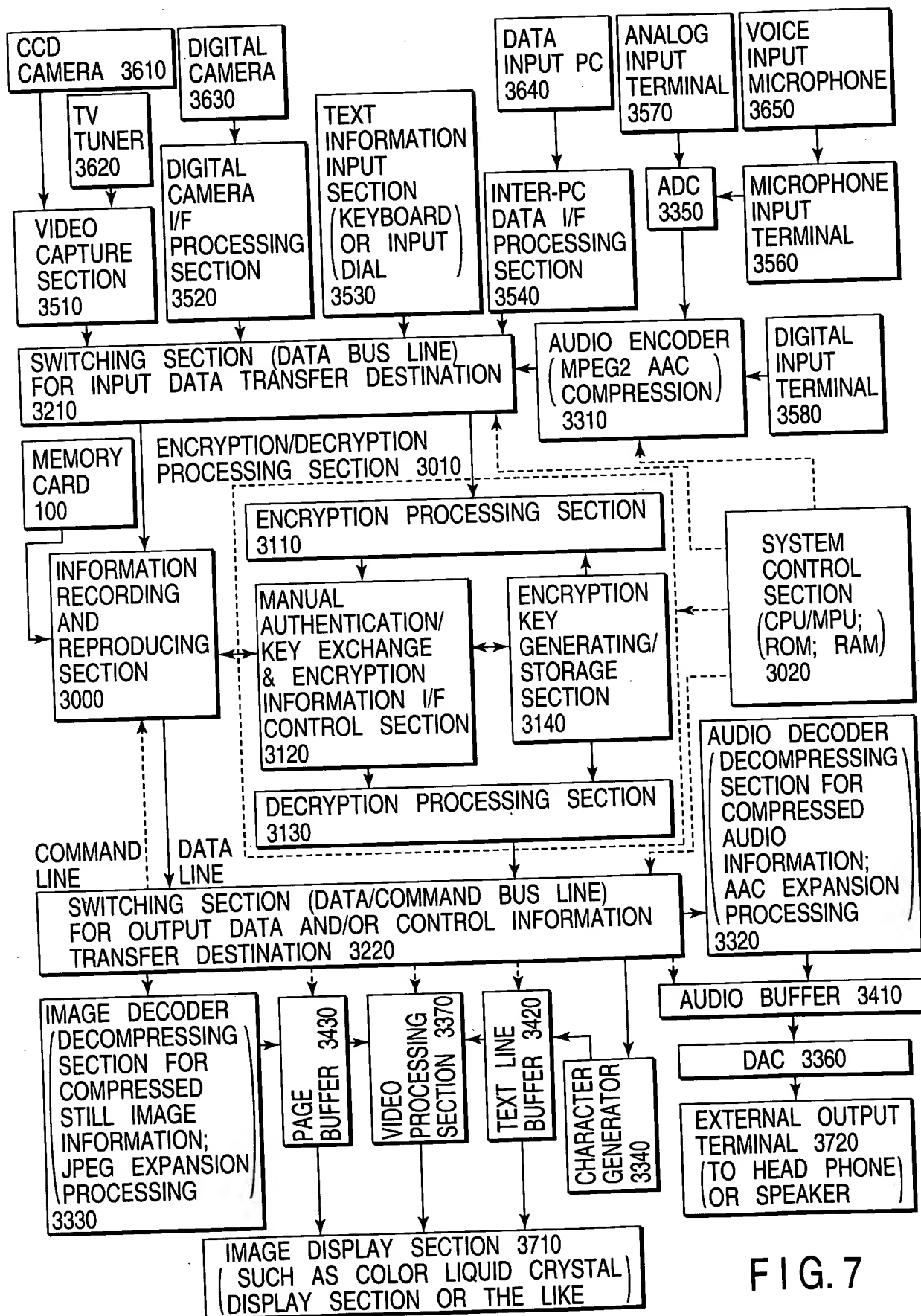


FIG. 7

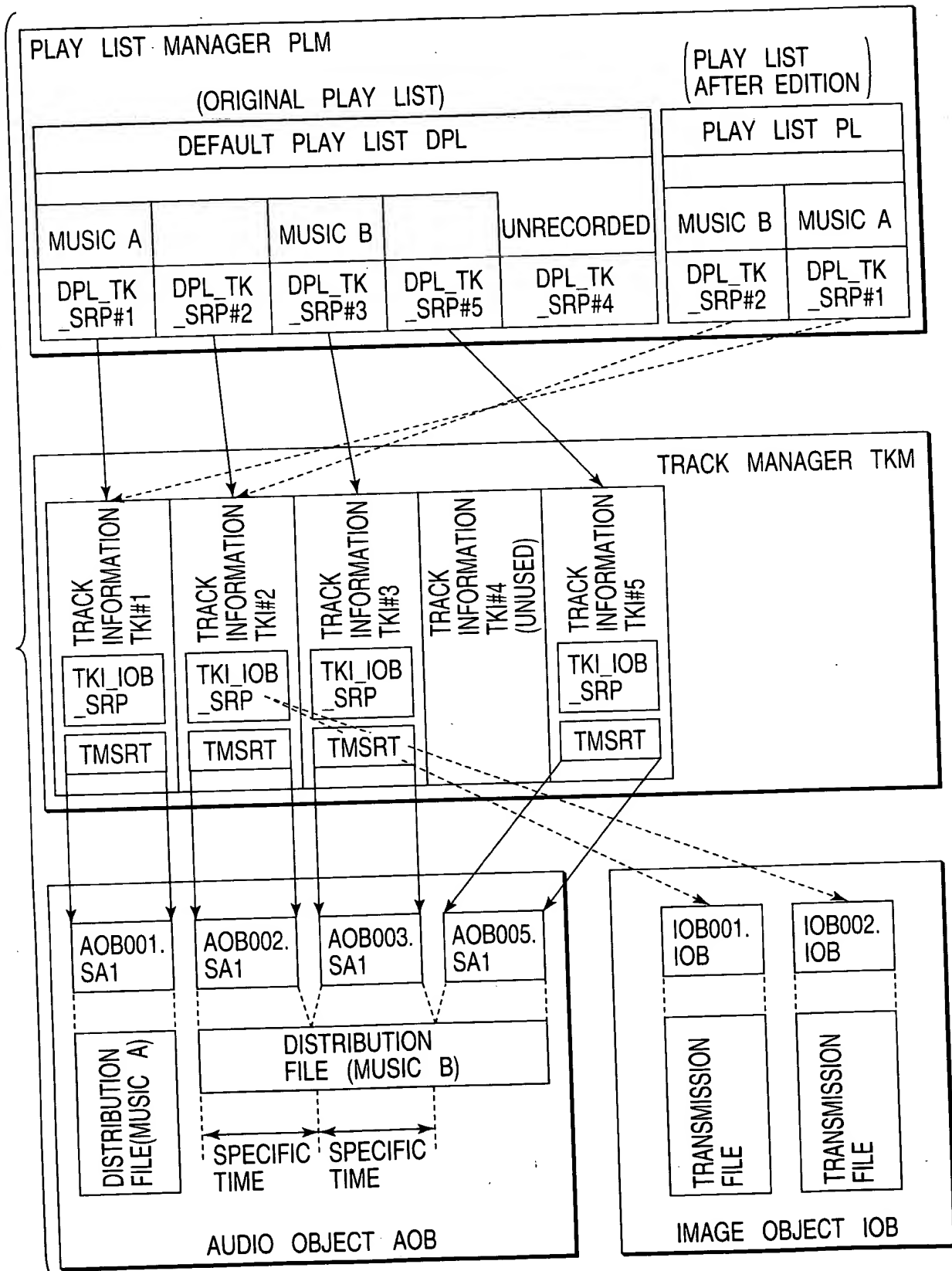


FIG. 8

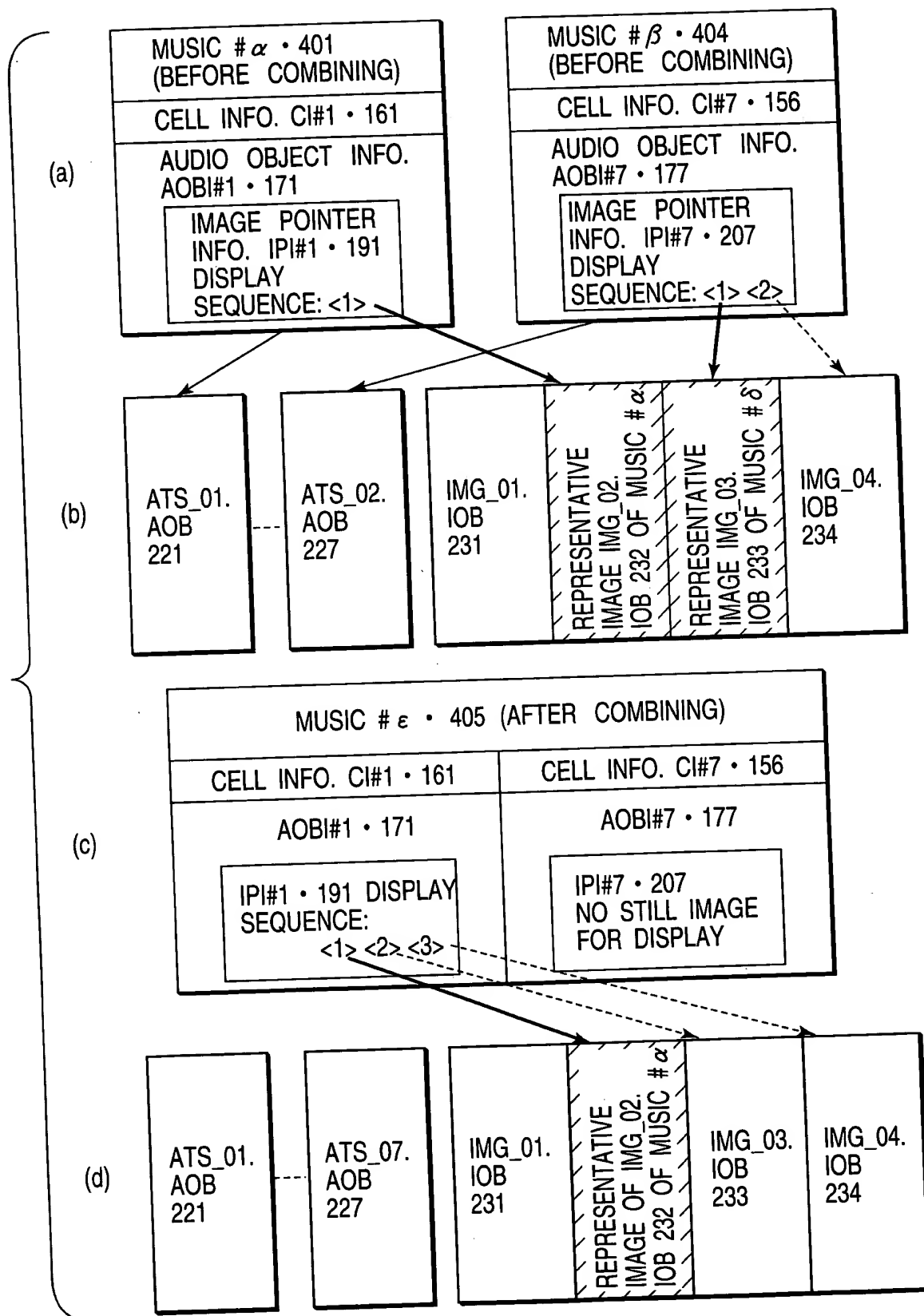


FIG. 9

The diagram illustrates the process of dividing a music program into two parts,  $\alpha$  and  $\zeta$ , and their subsequent distribution to ATSC and representative image IOBs.

**(a) MUSIC #  $\alpha$  • 401 (BEFORE DIVIDING)**

- CELL INFO. CI #1 • 161
- AOB INFO. AOBI #1 • 171
- TEXT INFO. TXI #1 • 421
- IPI #1 • 191
- DISPLAY SEQUENCE: <1>

**(b)**

- ATS\_01. AOB 221
- REPRESENTATIVE IMAGE IMG\_02. IOB 232 OF MUSIC #  $\alpha$

**(c)**

- MUSIC #  $\alpha$  • 401 (AFTER DIVIDING)**
  - CELL INFO. CI #1 • 161
  - AOBI #1 • 171
  - TXI #1 • 421
  - IPI #1 • 191
  - DISPLAY SEQUENCE: <1>
- MUSIC #  $\zeta$  • 406 (AFTER DIVIDING)**
  - CELL INFO. CI #8 • 155
  - AOBI #8 • 178
  - TXI #8 • 428
  - IPI #8 • 208
  - DISPLAY SEQUENCE: <1>

**(d)**

- ATS\_01. AOB 221
- ATS\_08. AOB 228
- REPRESENTATIVE IMAGE IMG\_02. IOB 232 OF MUSIC #  $\alpha$  AND MUSIC #  $\zeta$

FIG. 10

(a) IOBSI. IFO FILE 2130  
(IMAGE OBJECT SET INFORMATION RECODING REGION 142)

(b)

DATA SIZE WITH FIXED LENGTH	DATA SIZE WITH FIXED LENGTH	DATA SIZE WITH FIXED LENGTH	DATA SIZE WITH FIXED LENGTH
IOBSI MANAGEMENT INFO. 10	MANAGEMENT INFO. 1 CONCERNING IMG_01. IOB	MANAGEMENT INFO. 2 CONCERNING IMG_02. IOB	MANAGEMENT INFO. 9 CONCERNING IMG_999. IOB

(c)

IMAGE OBJECT SET GENERAL INFO. IOBS_GI · 11	IMAGE OBJECT SET BIT MAP INFO. 12
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(d)

"NUMBER OF RECORDED STILL IMAGE (IOB) FILES" 21	"FINAL NUMBER INFO. ON RECORDED STILL IMAGE (IOB) FILE" 22	"BIT MAP INFO. ON UNRECORDED STILL IMAGE (IOB) FILE" 26	"BIT MAP INFO. ON STILL IMAGE (IOB) FILE SPECIFIED FOR REPRESENTATIVE IMAGE" 27
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(e)

FLAG 31 FOR ENABLING (OR DISABLING) REPRESENTATIVE IMAGE DESIGNATION FOR IMG_01. IOB	FLAG 32 FOR ENABLING (OR DISABLING) REPRESENTATIVE IMAGE DESIGNATION FOR IMG_02. IOB	FLAG 33 FOR ENABLING (OR DISABLING) REPRESENTATIVE IMAGE DESIGNATION FOR IMG_03. IOB	FLAG 34 FOR ENABLING (OR DISABLING) REPRESENTATIVE IMAGE DESIGNATION FOR IMG_04. IOB	FLAG 35 FOR ENABLING (OR DISABLING) REPRESENTATIVE IMAGE DESIGNATION FOR IMG_05. IOB	FLAG 39 FOR ENABLING (OR DISABLING) REPRESENTATIVE IMAGE DESIGNATION FOR IMG_999. IOB
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FIG. 11

004769 0633060

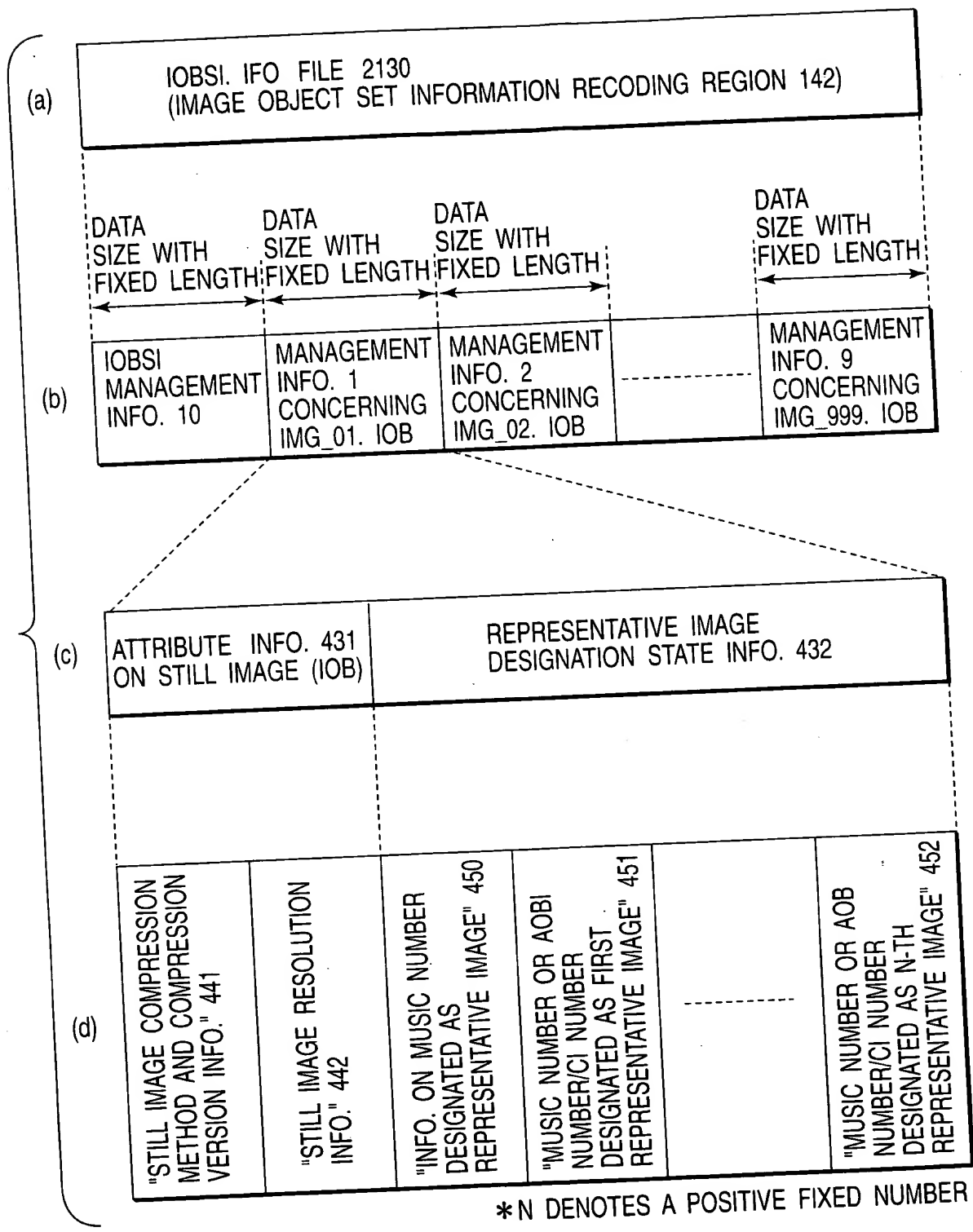


FIG. 12

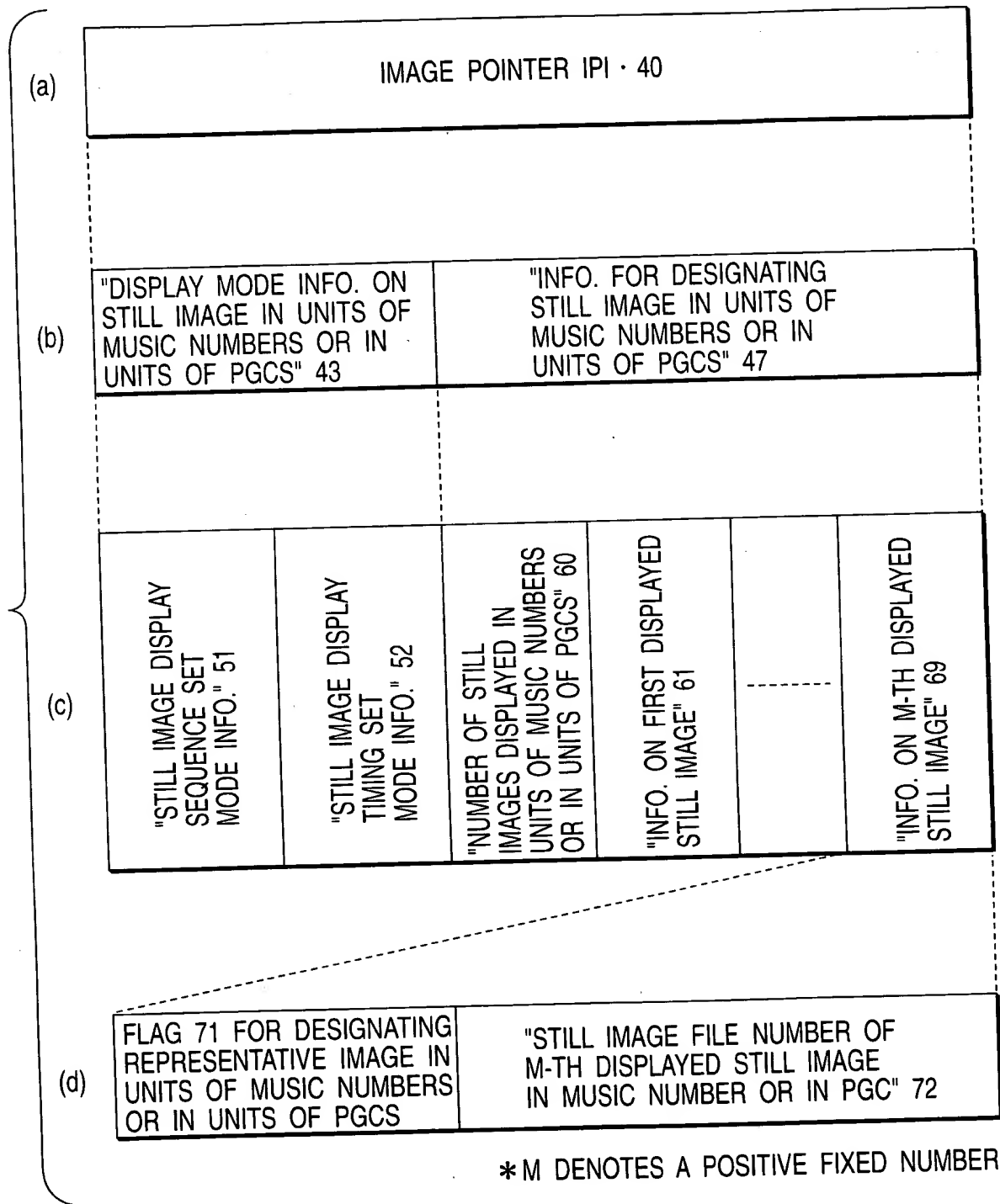


FIG. 13

**PGC SET INFORMATION (PGCSI) RECORDING REGION 140**

**ORG\_PGC RECORDING REGION 150**

**UD\_PGC#A RECORDING REGION 151**

**MUSIC #α 401**

CI#1 161  
TXI#1 461  
IPI#1 481 <1>

**MUSIC #β 402**

CI#2 162  
TXI#2 462  
IPI#2 482 <3>  
<2>  
<1>

CI#3 163  
TXI#3 463  
IPI#3 483

CI#4 164  
TXI#4 464  
IPI#4 484

**MUSIC #γ 403**

CI#5 165  
TXI#5 465  
IPI#5 485 <2>  
<1>

CI#6 166  
TXI#6 466  
IPI#6 486

**MUSIC #β 402**

CI#11 167  
TXI#7 471  
IPI#11 491 <1>

**MUSIC #γ 403**

CI#12 168  
TXI#8 472  
IPI#12 492 <1>

**AOB SI RECORDING REGION 141**

AOB I #1 171  
AOB I #2 172  
AOB I #3 173

**IOB SI RECORDING REGION 142**

MANAGEMENT INFO. RELEVANT TO IMG\_01. IOB#A  
MANAGEMENT INFO. RELEVANT TO IMG\_02. IOB#A  
MANAGEMENT INFO. RELEVANT TO IMG\_03. IOB#A  
MANAGEMENT INFO. RELEVANT TO IMG\_04. IOB#A

**ATS**

ATS\_01. AOB 221  
ATS\_02. AOB 222  
ATS\_03. AOB 223  
ATS\_04. AOB 224  
ATS\_05. AOB 225  
ATS\_06. AOB 226

**IMG**

IMG\_01. IOB 231  
IMG\_02. IOB 232  
IMG\_03. IOB 233  
IMG\_04. IOB 234

**DISPLAY SCREEN EXAMPLES**

1ST. MUSIC #α  
IMG\_02. IOB

2ND. MUSIC #β  
IMG\_04. IOB

3RD. MUSIC #γ  
IMG\_01. IOB

FIG. 14

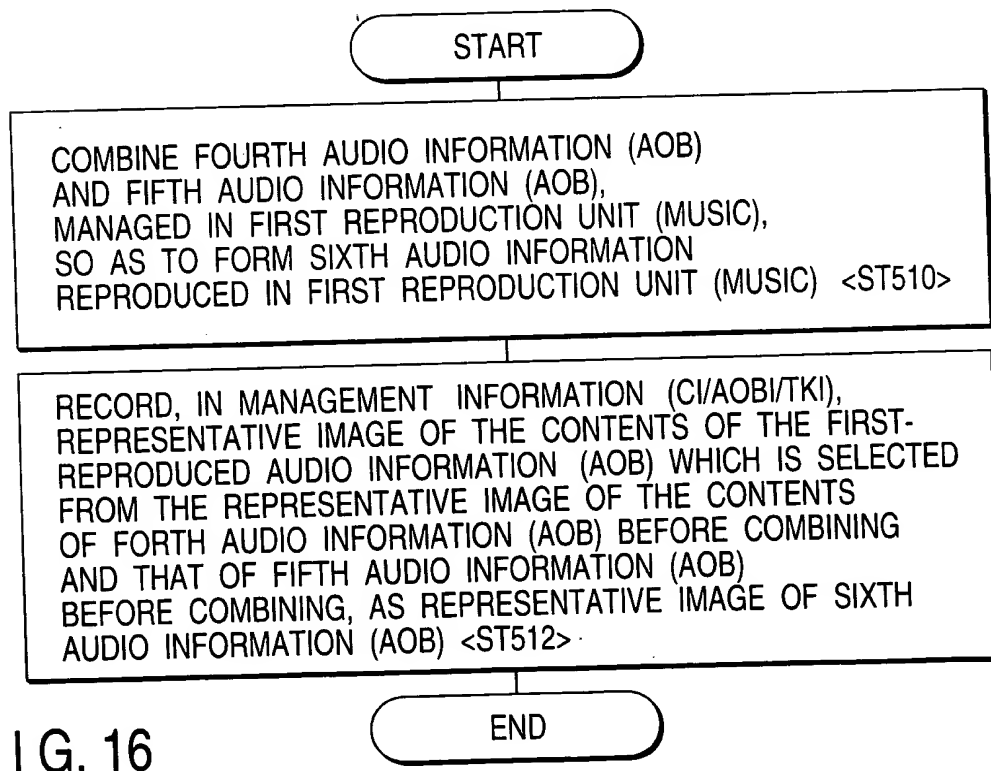
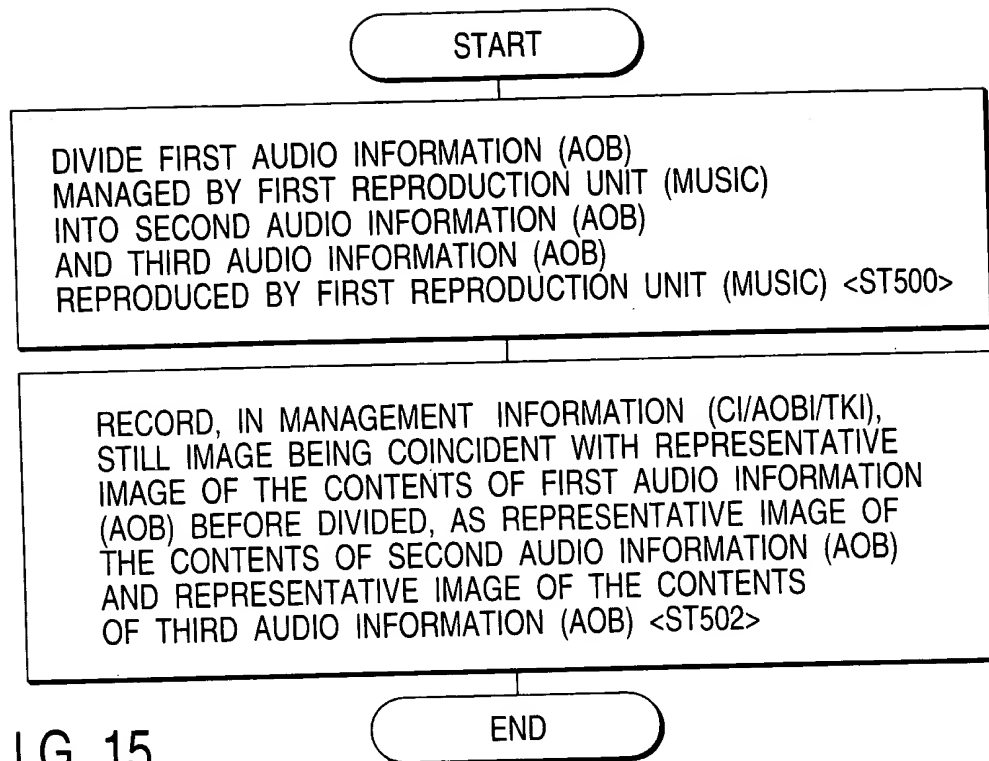


FIG. 17

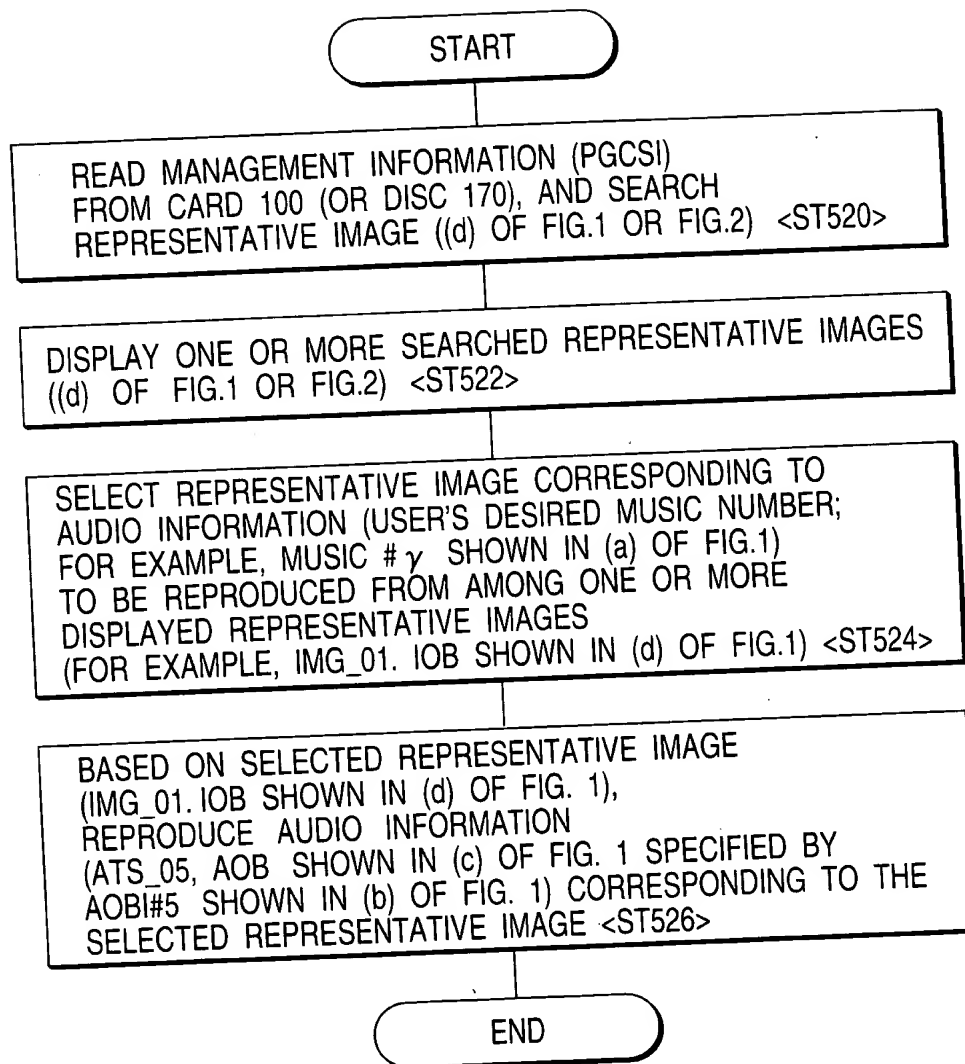


FIG. 17